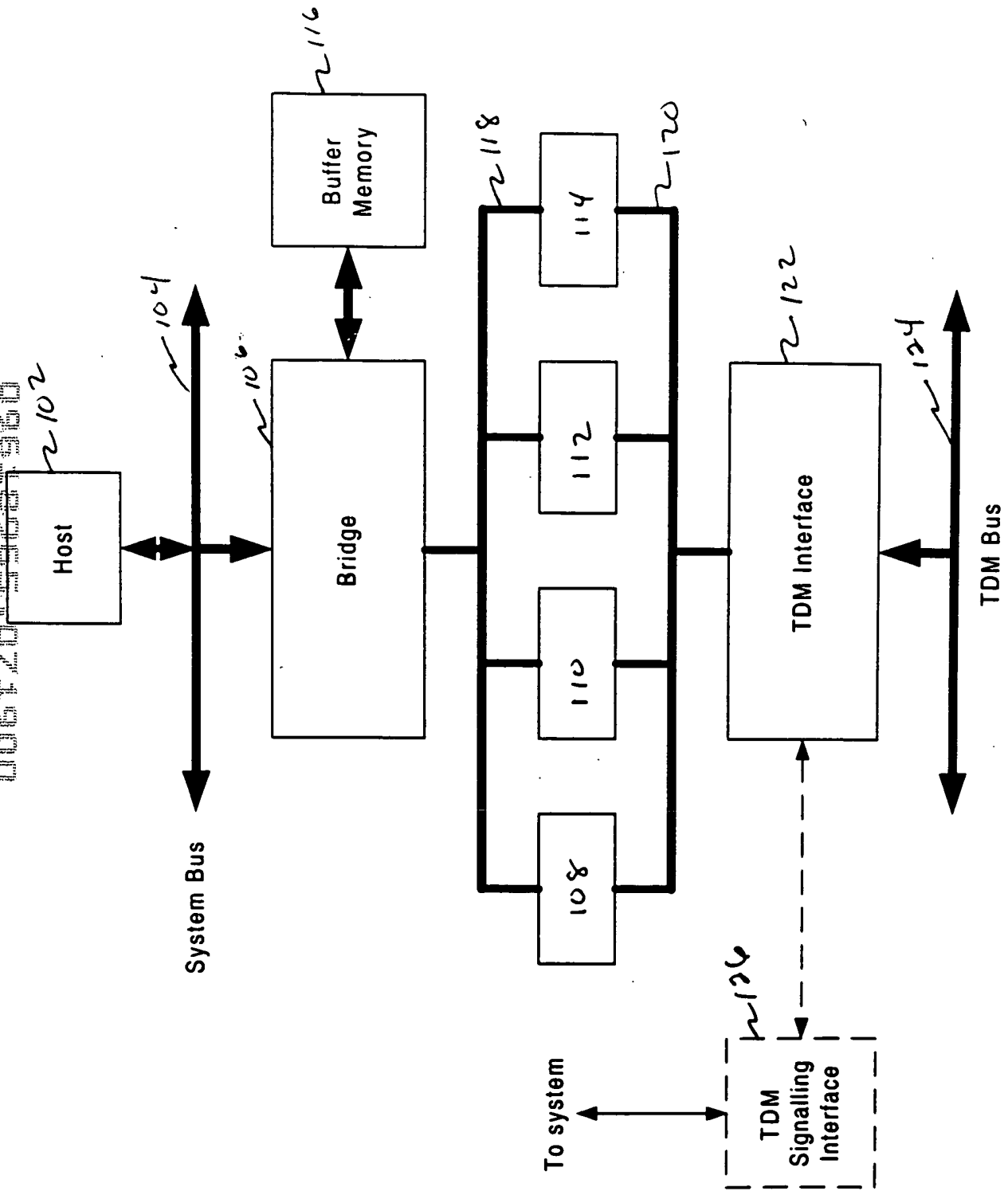


006740 316960



TA
100

Figure 1

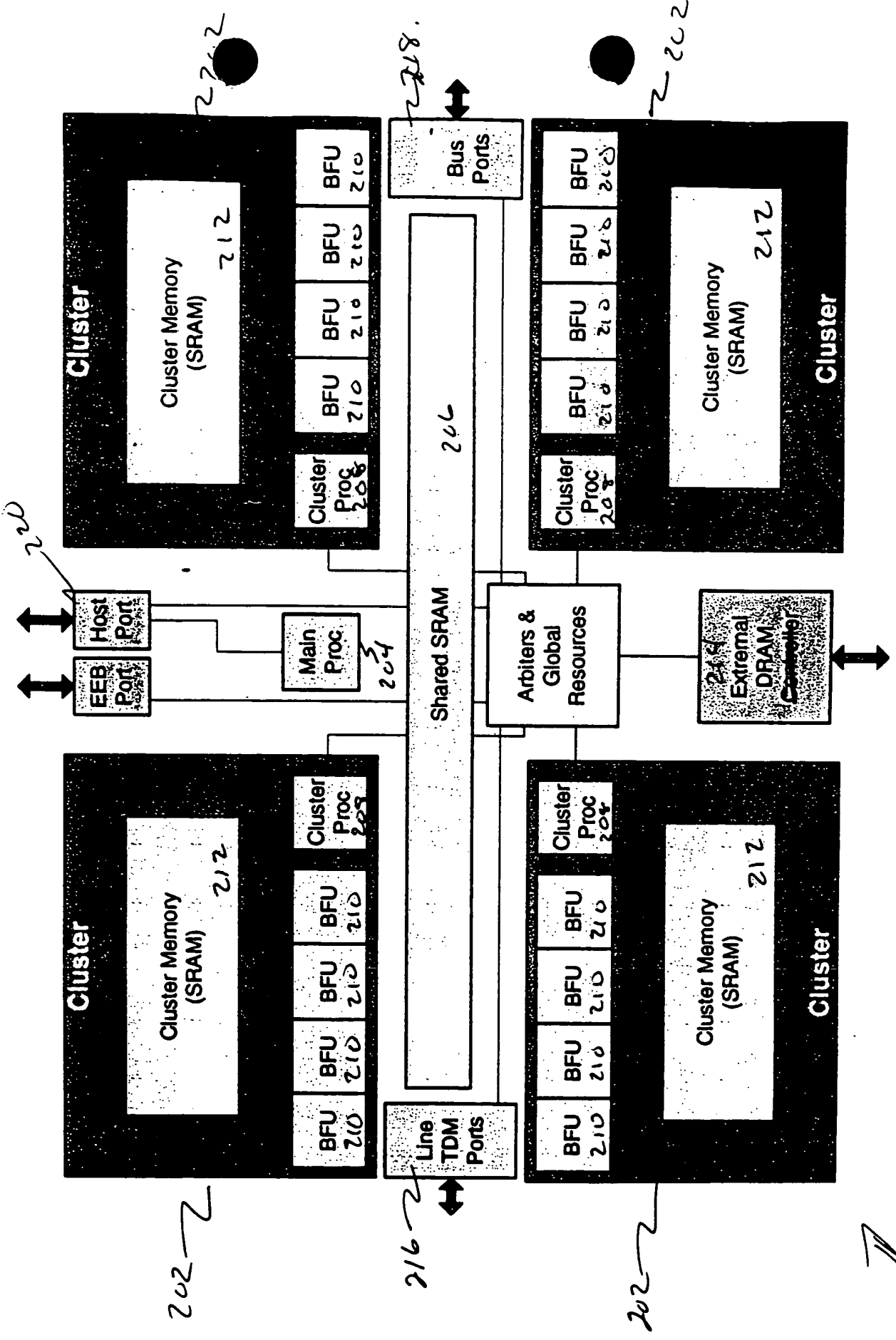


Figure 2

005740" 59527460

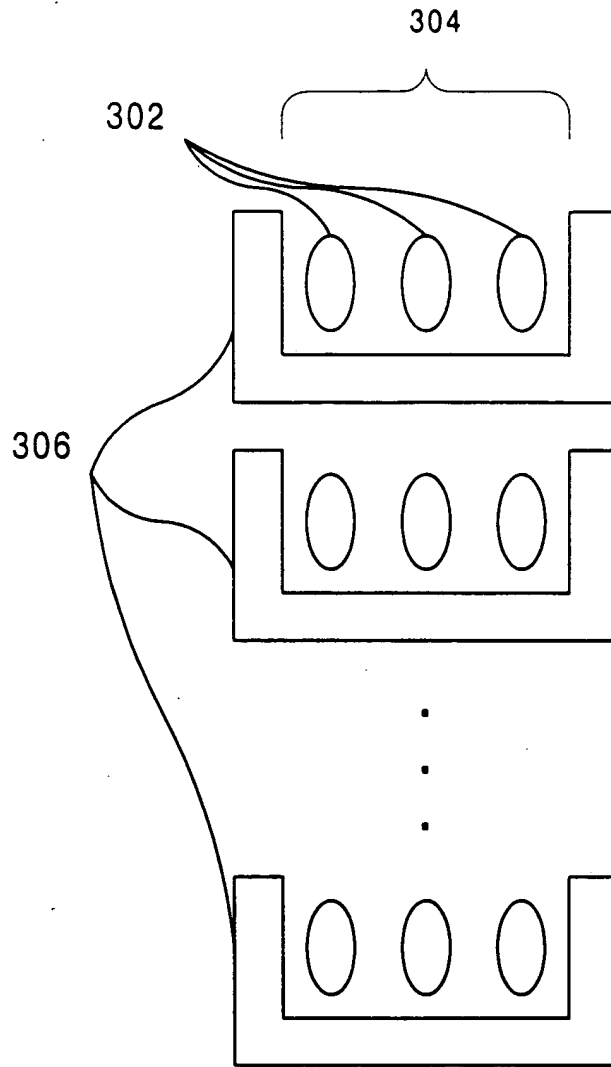


Figure 3

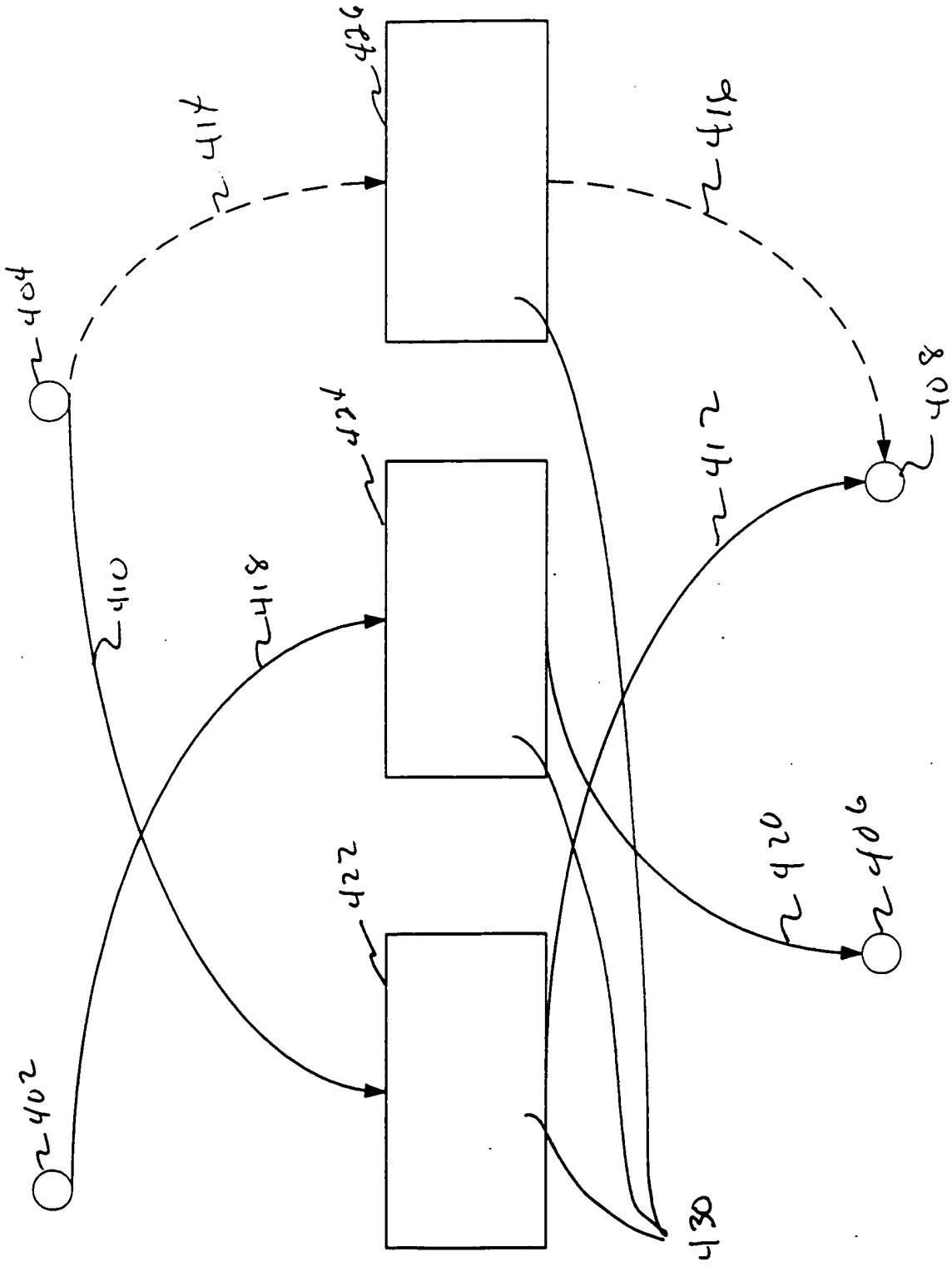


Figure 4A

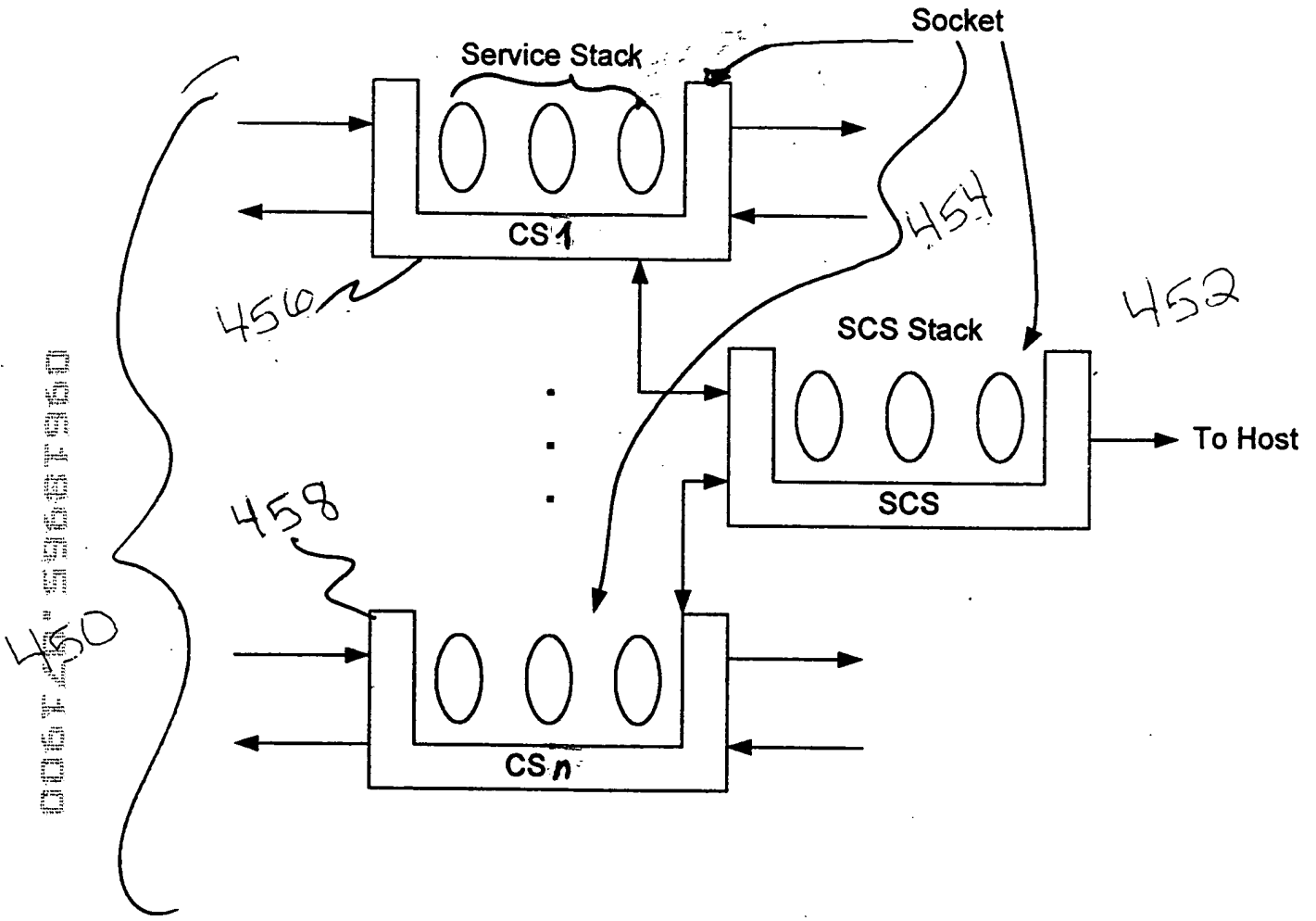


Figure 4B

Sockets & processors

Client Computer
560

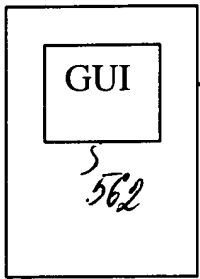
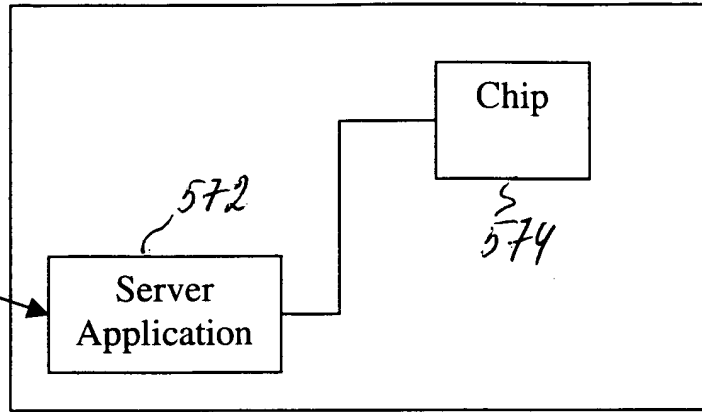
Server Computer
570

Figure 5B

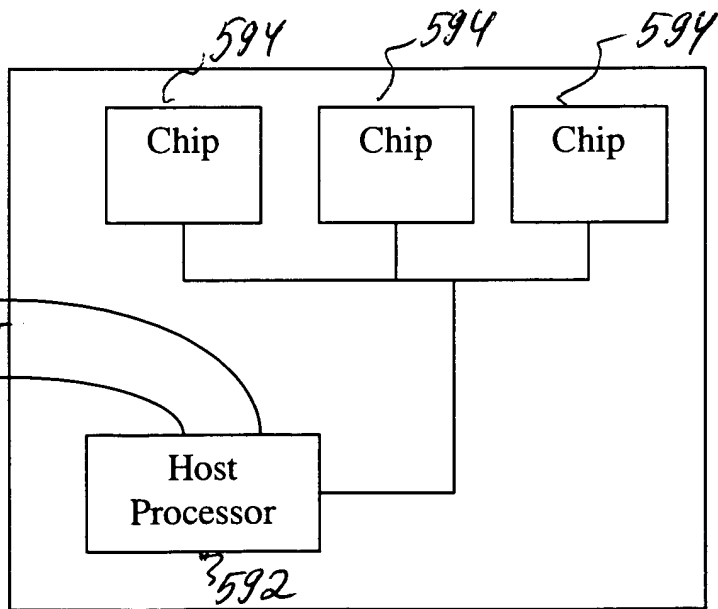
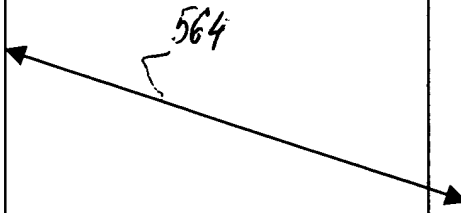
Client Computer
560

Access Router
590

Figure 5C

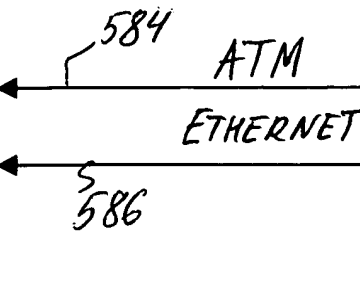
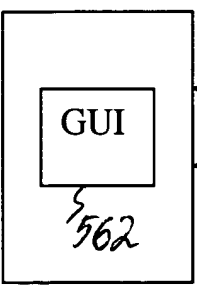


564



584
586

ATM
ETHERNET



20150720 5963750

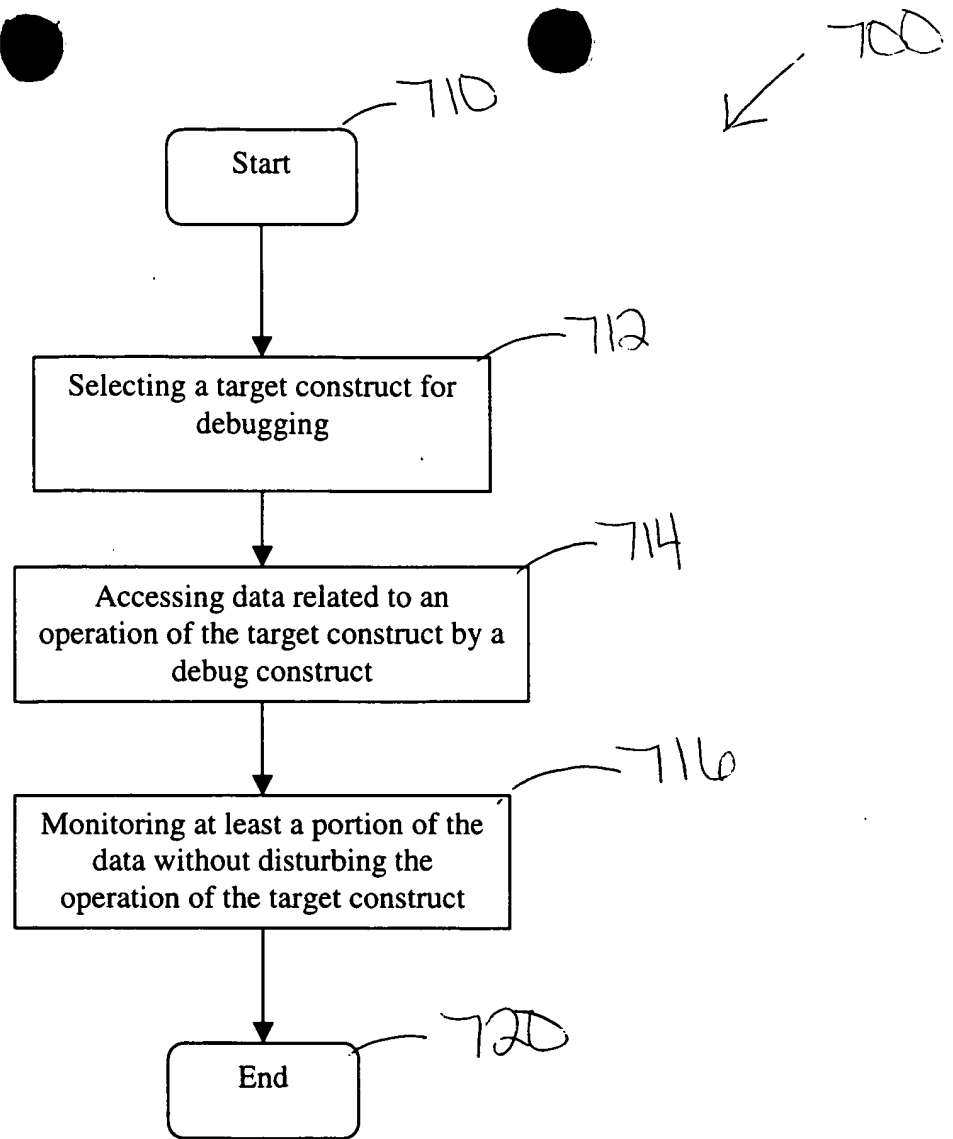


Figure 7

600

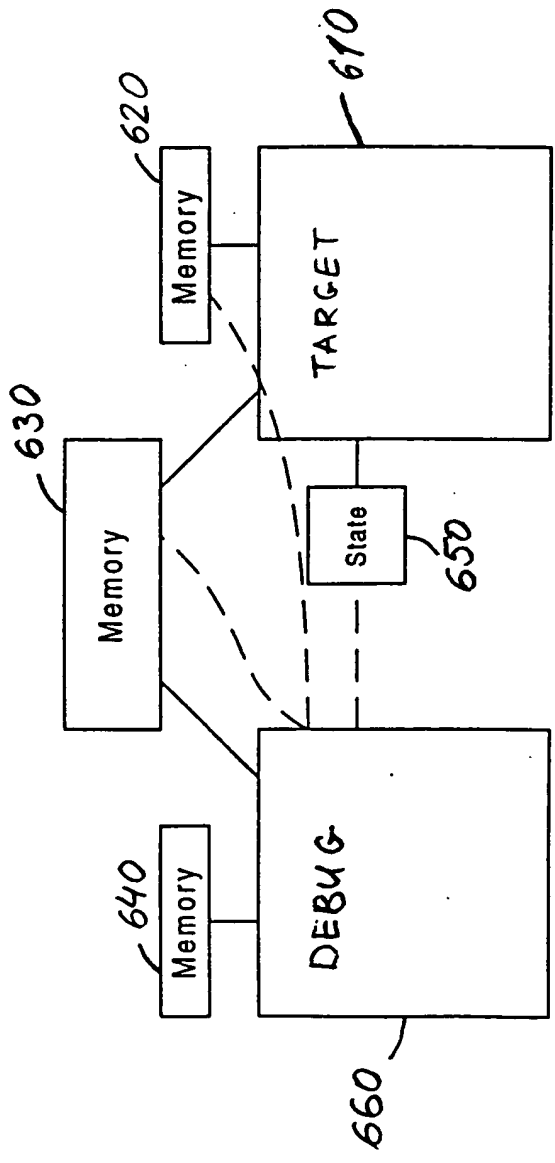


Fig 6

900

006720-3368F360

SpiceRack - [peimprocu729.c]
File Edit View Windows Help

Processes

- Modem Channels
 - 1-10
 - 11-20
 - 21-30
 - 31-40
 - 41-48
- Voice Channels
 - 1-10
 - 11-20
 - 21-30
 - 31-40
 - 41-50
 - 41
 - 42
 - 43
 - 44
 - 45
 - 46
 - 47
 - 48
 - 49
 - 50
 - 51-60
- Other Processes
 - Web Server
 - Diagnostics
 - Profiler
 - Visualization
 - Other

```

//it (EXTRA_UNROLL)
//pragma options add unrollcount 60
sendif
Word16 i, j;
Word16 hi, lo;
Word16 Kh, Kl;
Word16 alp_b, alp_l, alp_exp;
Word32 L_acc0, L_acc1, L_acc2;
Word16 Ah(N_LPP1), Al(N_LPP1);
Word16 Anh(N_LPP1), Alh(N_LPP1);

*unStable = 0;

// K = a[i] = -R[1] * R[0]
L_acc1 = ((Word32) Rh[1] << 16) + ((Word32) Rl[1] << 1);
L_acc2 = (L_acc1 < 0L) ? -L_acc1 : L_acc1;
L_acc0 = Div32(L_acc2, Rh[0], Rl[0]);
L_acc0 = (L_acc1 > 0L) ? -L_acc0 : L_acc0;
Kh = (Word16) (L_acc0 >> 15);
Kl = (Word16) ((L_acc0 & 0x1fff) >> 1);
rc[0] = Kh;
L_acc0 = (Word32) Kh * (Word32) 4096;
L_acc0 += (((Word32) Kl * (Word32) 4096) << 1) >> 16;
Ah[1] = (Word16) (L_acc0 >> 15);
Al[1] = (Word16) ((L_acc0 & 0x1fff) >> 1);

// Alpha = R[0] * (1-K**2)
L_acc0 = (Word32) Kh * (Word32) Kh;
L_acc1 = (((Word32) Kl * (Word32) Kl) << 1) >> 15;
L_acc0 += L_acc1;
L_acc0 += L_acc0;
L_acc0 << 1;
// K = K will always be +ve, but the original ITU-T takes the abs
L_acc0 = (L_acc0 < 0L) ? -L_acc0 : L_acc0;
L_acc0 = (Word32) 0x7fffffffL - L_acc0;
hi = (Word16) (L_acc0 >> 15);
lo = (Word16) ((L_acc0 & 0x1fff) >> 1);
L_acc0 = (Word32) Rh[0] * (Word32) hi;
L_acc0 += (((Word32) Rh[0] * (Word32) lo) << 1) >> 16;
L_acc0 += (((Word32) Rl[0] * (Word32) hi) << 1) >> 16;
L_acc0 << 1;

// Normalize Alpha
// Note that, since K != 0, K**2 will always be < 1.0.
// Thus, 1 - K**2 is always a +ve number. Also, R[0] which
// is the energy of the signal is always a +ve number. Therefore

```

Name	Value
Ah[1]	0x013c
Al[7]	0x6480
Anh[0]	0xffffe
Alh[3]	0xcdcd

Name	Value
i	0x0000
j	0x0000
hi	0x7425
lo	0x2481
Rh	0x00638828

Addr	Value
0000c0	5ed22836
0000c4	43301850
0000c8	560a3b07
0000cc	1b593826

RFU::Levinson (Word16 * 0x00665374, Word16 * 0x00665394, Word16 * 0x00665414, Word16 * 0x00665434, Flag

Cluster4-Tenstille:unknown (...)

Addr	Value
Scalar	
04	479c2c21 32826ac1 6e541359 7e6c
00	17d74ce5 105d3339 034627e1 766c
08	3d490816 20b46e25 72533e89 54e
0c	5e282b93 386e63bd 189d1041 767c
Vector	
00	129c585c 430463a2 42777c9b 403c
04	524c7d18 53071b75 3bee2401 2b4c
08	6cc26090 029a714d 35314e3d 56c
0c	62053c32 23c37305 773d48ff 606c
10	2a106682 41de54bb 68315e5e 0c2
14	42520add 703b7e53 5e74347 3dc
18	602c0276 6c7b2ef2 4c695221 408f
1c	7e741157 0e272183 26785528 605c
20	3ef66ae2 07595535 36093c22 51b
24	0cc3301c 7540562b 26c37e2d 6a9f
28	238e57b0 40e0210b 6c83489c 2eb
2c	55806dea 4e500960 77d97024 141

Fig. 9